

SEARCH REQUEST FORM

Requestor's

Name: _____

Serial

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Phone: _____

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Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

STAFF USE ONLY

Date completed: 06-26-02

Searcher: Beverly C 4994

Terminal time: 20

Elapsed time: _____

CPU time: _____

Total time: 25

Number of Searches: _____

Number of Databases: 1

Search Site

_____ STIC

_____ CM-1

_____ Pre-S

Type of Search

_____ N.A. Sequence

_____ A.A. Sequence

_____ Structure

_____ Bibliographic

Vendors

_____ IG

_____ STN

_____ Dialog

_____ APS

_____ Geninfo

_____ SDC

_____ DARC/Questel

✓ Other CGN

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: June 25, 2002, 06:22:33 ; Search time 77.11 Seconds
(without alignments)
1949.523 Million cell updates/sec

Title: US-09-230-048-1

Perfect score: 612
Sequence: 1 ATGTGCTGCTCAAGTTGTG.....CTCCGACGTCACGATAG 612

Scoring table: IDENTITY_NTC
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/2/1na/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/1na/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/1na/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/1na/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/1na/PTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/1na/backfillseq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	612	100.0	615	2	US-08-748-640-1 Sequence 1, Appli
2	612	100.0	615	2	US-08-686-349-1 Sequence 1, Appli
3	612	100.0	615	4	US-09-230-637-4 Sequence 4, Appli
C 4	612	100.0	35100	2	US-08-770-379-17 Sequence 17, Appli
C 5	612	100.0	35100	4	US-08-757-669A-17 Sequence 17, Appli
C 6	612	100.0	35100	4	US-09-230-371A-17 Sequence 17, Appli
7	61	10.0	555	2	US-08-945-529-7 Sequence 7, Appli
8	54.6	8.9	555	2	US-08-567-047-1 Sequence 1, Appli
9	54.6	8.9	555	2	US-08-693-182-1 Sequence 1, Appli
10	54.6	8.9	555	2	US-08-567-048-1 Sequence 1, Appli
11	54.6	8.9	555	2	US-09-008-482-1 Sequence 1, Appli
12	53.6	8.8	564	1	US-07-918-181A-3 Sequence 3, Appli
13	53.6	8.8	564	1	US-07-918-181A-7 Sequence 7, Appli
14	53.6	8.8	564	1	US-08-231-575-3 Sequence 3, Appli
15	53.6	8.8	564	1	US-08-231-575-7 Sequence 7, Appli
16	53.6	8.8	564	5	PCT-US93-06928-3 Sequence 3, Appli
17	53.6	8.8	564	5	PCT-US93-06928-7 Sequence 7, Appli
18	53	8.7	525	1	US-08-009-973-2 Sequence 2, Appli
19	53	8.7	525	2	US-08-945-529-1 Sequence 1, Appli
20	53	8.7	525	2	US-08-945-529-4 Sequence 4, Appli
21	53	8.7	525	2	US-08-945-529-5 Sequence 5, Appli
22	53	8.7	525	2	US-08-945-529-6 Sequence 6, Appli
23	53	8.7	561	1	US-07-745-382-19 Sequence 19, Appli
24	53	8.7	561	1	US-07-921-848-19 Sequence 19, Appli
25	53	8.7	561	1	US-08-165-301A-19 Sequence 19, Appli
26	53	8.7	561	3	US-08-810-436-19 Sequence 19, Appli
27	53	8.7	561	5	PCT-US94-14179-19 Sequence 19, Appli

28	52	8.5	564	1	US-07-918-181A-1 Sequence 1, Appli
29	52	8.5	564	1	US-07-918-181A-5 Sequence 5, Appli
30	52	8.5	564	1	US-08-231-575-1 Sequence 1, Appli
31	52	8.5	564	1	US-08-231-575-5 Sequence 5, Appli
32	52	8.5	564	5	PCT-US93-06928-1 Sequence 1, Appli
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34	51.4	8.4	540	4	US-08-149-101A-3 Sequence 3, Appli
35	51.4	8.4	540	5	PCT-US94-12873-3 Sequence 3, Appli
36	51.4	8.4	555	1	US-08-437-680A-1 Sequence 1, Appli
37	51.4	8.4	561	3	US-08-469-318-175 Sequence 175, App
38	51.4	8.4	561	3	US-08-468-609A-175 Sequence 175, App
39	51.4	8.4	561	5	PCT-US95-01185-175 Sequence 175, App
40	51.4	8.4	951	3	US-08-469-318-57 Sequence 57, Appli
41	51.4	8.4	951	3	US-08-468-609A-57 Sequence 57, Appli
42	51.4	8.4	951	5	PCT-US95-01185-57 Sequence 57, Appli
43	51.4	8.4	1128	4	US-08-795-473B-1 Sequence 1, Appli
44	51.4	8.4	1145	6	US-08-795-473B-1 Sequence 1, Appli
45	49.6	8.1	564	5	PCT-US92-05612-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-748-640-1
Sequence 1, Application US/08748640
Patent No. 5854398
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: KAPOSI'S SARCOMA-ASSOCIATED HERPES VIRUS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/748,640
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 51731-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 615 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 1..615
US-08-748-640-1

TITLE OF INVENTION: METHOD FOR SELECTING SUPERAGONISTS,
TITLE OF INVENTION: ANTAGONISTS AND SUPERANTAGONISTS FOR HORMONES HAVING
TITLE OF INVENTION: GP 130 AS PART OF THEIR RECEPTOR COMPLEX
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEWMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,047
FILING DATE: 04-DEC-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,924
FILING DATE: 23-FEB-1995
APPLICATION NUMBER: IT RM93A000409
FILING DATE: 23-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SAVINO-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 555 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: no
FRAGMENT TYPE: Internal
IMMEDIATE SOURCE:
LIBRARY: Production in bacteria
FEATURE:
NAME/KEY: IL-6 CDNA
IDENTIFICATION METHOD: polyacrylamide gel
FEATURE:
NAME/KEY: CDS
LOCATION: 1..552
US-08-567-047-1

Query Match 8.9% Score 54.6; DB 1: Length 555;
Best Local Similarity 46.3%; Pred. No. 4.8e-09;
Matches 180; Conservative 0; Mismatches 209; Indels 0; Gaps 0;

QY 160 TGTTCACGTAACGAGTGTGCAAGGATATCTAGAGCCGCTGCTATTTTCTATCTGAAA 219
DB 130 TGTAAACAGATACATGCTGTGAAGACCAAGAGGCACTGGCAAAACAACCTGAAC 189
QY 220 CTACACGACCATCAAGCATCTGATCATCGCGGGTTAATAGATTTAATAGACTAGCTGC 279
DB 190 CTTCCAAGATGCTGAAAAAGATGATGCTTCCATCTGATTCATAGAGAGACTTGC 249
QY 280 CTTAAAGAGCTGCGCATGCTTTTGAATTCGAGCTTGTGTTTAACTTTTAAAGAG 339
DB 250 CTGGTGAATATCATCTGCTCTTTGGAGTTGAGTATACCTAGAGCTCCAGAAC 309
QY 340 GAGTTTGAAGAAATCAAGTGTAAACGTGAGCTGATGAGCTTCTGACGAAGACTTAGA 399
DB 310 AATTTTGAAGATGAGTGAAGACAGCAAGCAAGCTCTCCACATGATGATCAAAAGTCCGATC 369

QY 400 TGGGACATACAGACAGCTCAATAGCTAGTACAGCCACTACAGTCCACCAATTT 459
DB 370 CAGTCTCTGACAAAAAGCAAGATTCATGCAATACCAACCCCTGACCAACACA 429
QY 460 GACCGGCTCTATTAGGAGGCTTCAGGACCTTAATATTGGTGAGACCTTGTGG 519
DB 430 AATGCCAGCTCTGACGAGGCTGCGAGCAAGCAAGCAAGCTGCTGAGACATGACACT 489
QY 520 TTTTATGTTCTGAGTCAATGGAAGTT 548
DB 490 CATCTCATCTGAGATCTTTAAGAGTT 518

RESULT 9
US-08-693-182-1
Sequence 1, Application US/08693182
Patent No. 5849283
GENERAL INFORMATION:
APPLICANT: CILIBERTO, Gennaro
APPLICANT: SAVINO, Rocco
APPLICANT: LAHN, Armin
APPLICANT: TONIATTI, Carlo
TITLE OF INVENTION: A METHODOLOGY FOR SELECTING
TITLE OF INVENTION: SUPERAGONISTS, ANTAGONISTS AND SUPERANTAGONISTS OF HUMAN
TITLE OF INVENTION: INTERLEUKIN-6 BASED ON RECEPTOR COMPLEX THREE DIMENSIONAL
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Newmark, P.L.L.C.
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: United States of America
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/693,182
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/IT95/00216
FILING DATE: 13-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT RM 94A000805
FILING DATE: 14-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: CILIBERTO-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 555 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..552
US-08-693-182-1

Query Match 8.9% Score 54.6; DB 2: Length 555;
Best Local Similarity 46.3%; Pred. No. 4.8e-09;
Matches 180; Conservative 0; Mismatches 209; Indels 0; Gaps 0;

OY	160	TGTTACCGCTACGGCATTCTCGCAAGGATATTCTGAGCGCGCTGATATTTTCTCATGAA	219
Db	130	TGTAAACAAGACTAATCACTGTGTGAAAGACGAAGAAGGCACTGGACAAAACAACCTGAAC	189
OY	220	CTACACGACATCAACGATTAAGTACATCTCGGGGTTAAVAGGATTTAATGAGACTAGCTGC	279
Db	190	CTTCCAAAGATGGCTGAAAAAGATGGATGCTTCCATCTGGATTCAATGAGAGACTTGC	249
OY	280	CTTAAAAAGCTCGCCGATGGCTTTTTTGAATTGCAAGGTGTGTTTAAAGTTTAAACGACG	339
Db	250	CTGGTGAAAATCATCACTGGCTTTTGTGGAGTTGAGCTATACCTAGAGTACCTCCAGAAC	309
OY	340	GAGTTTGGAAAAATGAGTATTAACCTGGAGCTCATGGAGCTTCTGCAGAGACTTAAGA	399
Db	310	AGATTTGGAGTACTGAGATCAAGCCAGAGCTGTCCAGATGAGTATCAAAAAGTCTGATC	369
OY	400	TGGGACATACAGGAAGAGCTCAATTAAGCTGACTTAAGACGACACTACGACCCCAATTT	459
Db	370	CAGTTTCGCGCAAAAAAAGGCAAAANAATCTAGATCCATTAACCAOCCCTGACCCACACA	429
OY	460	GACCGCGGCTATTAAAGGAGGCTTCAAGGACTTAAGTATTTGGGTGAGACACTTTTCTCG	519
Db	430	AATGCACAGCCTGCTGACAGAACCTTCAAGCACAGAACCAAGCTGCTGACGACATGACAACT	489
OY	520	TTTTATGTTCTGAGTGCATGAAAAGTT	548
Db	490	CATCTCATCTCGAGATCTTTTAAAGAGTT	518

RESULT 10
 US-08-567-048-1
 : Sequence 1, Application US/08567048
 : Patent No. 5891998
 :
 : GENERAL INFORMATION:
 : APPLICANT: SAVINO, ROCCO
 : APPLICANT: LAHM, Armin
 : APPLICANT: CILIBERTO, Gennaro
 : TITLE OF INVENTION: METHOD FOR SELECTING SUPRAGONISTS,
 : TITLE OF INVENTION: ANTAGONISTS AND SUPRANTAGONISTS FOR HORMONES HAVING
 : NUMBER OF SEQUENCES: 15
 :
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: BROWDY AND NEWMARK
 : STREET: 419 Seventh Street, N.W., Suite 300
 : CITY: Washington
 : STATE: D.C.
 : COUNTRY: USA
 :
 : ZIP: 20004
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
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 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/567, 048
 : FILING DATE: 04-DEC-1995
 : CLASSIFICATION: 530
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 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 08/387, 924
 : FILING DATE: 23-FEB-1995
 : APPLICATION NUMBER: IT RM93A000409
 : FILING DATE: 23-JUN-1993
 :
 : ATTORNEY/AGENT INFORMATION:
 : NAME: BROWDY, Roger L.
 : REGISTRATION NUMBER: 25, 618
 : REFERENCE/DOCKET NUMBER: SAVINO-1
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 202-628-5197
 : TELEFAX: 202-737-3528
 :
 : TELEX: 248633
 :
 : INFORMATION FOR SEQ ID NO: 1:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 555 base pairs
 :

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1 TYPE: nucleic acid
2 STRANDEDNESS: double
3 TOPOLOGY: linear
4 MOLECULE TYPE: cDNA
5 ANTI-SENSE: no
6 FRAGMENT TYPE: internal
7 IMMEDIATE SOURCE:
8 LIBRARY: production in bacteria
9 FEATURE:
10 NAME/KEY: IL-6 cDNA
11 IDENTIFICATION METHOD: polyacrylamide gel
12 FEATURE:
13 NAME/KEY: CDS
14 LOCATION: 1..552
15
16 US-08-567-048-1

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Query Match Similarity      8.9%: Score 54.6; DB 2; Length 555;
Best Local Similarity      46.3%: Pred No. 4, 8e-09;
Matches 180; Conservative  0; Mismatches 209; Indels 0; Gaps 0;

OY 160 TGTTCACCGTACGGCATCTGCAAGGGTATTTCTAGAGCCGCTGCTATTTTCATCTGAAA 219
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DB 130 TGTACCAAGAGTAACATGTGTGAAGACGACCAAGAGGACATGGCGAGAAAACCTGAAAC 189
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OY 220 CTACACGCGATCAACGATCTGATCACTGCGGGTTATAGCATTTATAGACATGCGC 279
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DB 190 CTTCACAAAGATGGCTAATAAAGATGATGCTTCCAACTGTGATTCATAGAGACATTGC 249
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 280 CTTAAANAAGCTGGCCGATGCTTTTGTGAATTCGAGGTGTGTTTAAGTTTTTAACGACG 339
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 250 CTGTGGAANAATCATCACTGGTCTTTTGGAGTTTGAAGTATACAGATAGCTCCAGAAC 309
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 340 GAGTTTGGAAAATCACTGATTAACGTGGACGTATGAGAGCTTCTGACAGAAAGCTTAGA 399
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DB 310 AGATTTGAAGTAGTAGTAGGAAGCAAGCGAGCTGTCCAGATGAGTAGTAATAAAGTCTGATC 369
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 400 TGGGACATACAGGAAGAGCTCAATTAAGCTACTAAGACGACATACGACCCCAATTT 459
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 370 CAGTTCCTGCAAGAAAAGGAAAGAAATCTGATGCAATTAACCAACCCCTGACCCAAACCA 429
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 460 GACCCGCGTCTATTAGGAGGCTTCAGGAGCTTAAGTATTGGGTGAGACACTTTGCTTGG 519
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 430 AATGCCAGCTCTGTGACGAAGCTGCAGGCGACAGAACCAAGTGGCTGACAGATGACAACT 489
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 520 TTTTATGTCTGTGATGCAATGAGAAAAGTT 548
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 490 CATCTCATTTCTGAGATCTTTTAAGGAGTT 518
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 11
US-09-008-482-1
: Sequence 1, Application us/09008482
: Patent No. 5914106
: GENERAL INFORMATION:
: APPLICANT: CILIBERTO, Gennaro
: APPLICANT: SAVINO, Rocco
: APPLICANT: LAHM, Armin
: APPLICANT: TONIATTI, Carlo
: TITLE OF INVENTION: A METHODOLOGY FOR SELECTING
: TITLE OF INVENTION: SUPERANTOGENS, ANTAGONISTS AND SUPERANTAGONISTS OF HUMAN
: TITLE OF INVENTION: INTERLEUKIN-6 BASED ON RECEPTOR COMPLEX THREE DIMENSIONAL
: TITLE OF INVENTION: MODELLING
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Broadway and Nelmark, P.L.L.C.
: STREET: 419 Seventh Street N.W., Ste. 300
: CITY: Washington
: STATE: D.C.
: COUNTRY: United States of America
: ZIP: 20004
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk

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1  COMPUTER: IBM PC compatible
2  OPERATING SYSTEM: PC-DOS/MS-DOS
3  SOFTWARE: PatentIn Release #1.0, Version #1.30
4  CURRENT APPLICATION DATA:
5  APPLICATION NUMBER: US/09/008,482
6  FILING DATE:
7  PRIOR APPLICATION DATA:
8  APPLICATION NUMBER: USSN 08/693,182
9  FILING DATE: 14-AUG-1996
10 PRIOR APPLICATION DATA:
11 APPLICATION NUMBER: PCT/IT95/00216
12 FILING DATE: 13-DEC-1995
13 PRIOR APPLICATION DATA:
14 APPLICATION NUMBER: IT RM 94A00805
15 FILING DATE: 14-DEC-1994
16 ATTORNEY/AGENT INFORMATION:
17 NAME: YUN, Allen C.
18 REGISTRATION NUMBER: 37,971
19 REFERENCE/DOCKET NUMBER: CILIBERTO-2A
20 TELECOMMUNICATION INFORMATION:
21 TELEPHONE: (202) 628-5197
22 TELEFAX: (202) 737-3528
23 INFORMATION FOR SEQ ID NO: 1:
24 SEQUENCE CHARACTERISTICS:
25 LENGTH: 555 base pairs
26 TYPE: nucleic acid
27 STRANDEDNESS: single
28 TOPOLOGY: linear
29 MOLECULE TYPE: CDNA
30 FEATURE:
31 NAME/KEY: CDS
32 LOCATION: 1..552
33 US-09-008-482-1

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1  APPLICANT: Fowlkes, Dana M.
2  TITLE OF INVENTION: C-Terminal IL-6 Mutelins
3  NUMBER OF SEQUENCES: 35
4  CORRESPONDENCE ADDRESSES:
5  ADDRESSEE: Imclone Systems Incorporated
6  STREET: 180 Varick Street
7  CITY: New York
8  STATE: New York
9  COUNTRY: United States
10 ZIP: 10014
11
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: Floppy disk
14 COMPUTER: IBM PC compatible
15 OPERATING SYSTEM: PC-DOS/MS-DOS
16 SOFTWARE: PatentIn Release #1.0, Version #1.25
17 CURRENT APPLICATION DATA:
18 APPLICATION NUMBER: US/07/918,181A
19 FILING DATE: 23-JUL-1992
20 CLASSIFICATION: 435
21
22 ATTORNEY/AGENT INFORMATION:
23 NAME: Sheets, Eric J.
24 REGISTRATION NUMBER: 30,326
25 REFERENCE/DOCKET NUMBER: FOW-2
26 TELECOMMUNICATION INFORMATION:
27 TELEPHONE: 212-645-1405
28 TELEFAX: 212-645-2054
29
30 INFORMATION FOR SEQ ID NO: 3:
31 SEQUENCE CHARACTERISTICS:
32 LENGTH: 564 base pairs
33 TYPE: nucleic acid
34 STRANDEDNESS: single
35 TOPOLOGY: linear
36 MOLECULE TYPE: cDNA
37 HYPOTHEetical: NO
38 ANTI-SENSE: NO
39 FEATURE:
40 NAME/KEY: CDS
41 LOCATION: 1..558
42 FEATURE:
43 NAME/KEY: mat_peptide
44 LOCATION: 1..555
45
46 US-07-918-181A-3

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QY 214 CTGAACCTACGACCATCAACGATGATCACTGCGGGTAAATAGATTAAATGAGACT 273
DB 187 CTGAACCTTCCGAGATGGCTGAAAAAGATGATTTTCAATCTGATTCATGAGGAA 246
QY 274 ACCTGCTTAAAAAGCTCCGCGATGCTTTTGAATTCGAGCTGTTTAAAGTTTAA 333
DB 247 ACTTGTCTGTGTAATAATCATCAAGGCTTTTGAATTTGAGGTAACTAGACTACCTC 306
QY 334 ACAGCGAGTTTGGAAAAATCAGTAAACGTGAGCTGATGAGCTTCTGACGAAGACC 393
DB 307 CAGAACAGATTGAGAGTAGTAGAGAAACAGAGAGCTGTCCAGATGTGACCAAAAGTC 366
QY 394 TTAGATGGGACATACAGGAAGCTCAATAGCTACTAAGACGACTACAGTCCACC 453
DB 367 CTGATCCAGTTTCTGCAAAAAAGGCAAAAAATCTAGATGCAATTAACCCCGGATCCA 426
QY 454 AAATTTGACCGCGCTTATTAGGAGGCTTTCAGGACTTAAGTATTTGGGTGAGACACTT 513
DB 427 ACCACAAATGCGAGCTGCTGACGAAGCTGCAAGGACACAGACAGTGGCTGACGACATG 486
QY 514 GCTTCGTTTATGTTCTGAGTGCATGAAAAAGCTTTCAGAGTCAAGCGGTGCGTGTG 573
DB 487 ACACATCATCTCATCTCTGAGATCTTTGAAAAAGATTCCTGCACTCCCTCGGCTGCTG 546

RESULT 15

US-08-231-575-7
; Sequence 7, Application US/08231575
; Patent No. 5565336
; GENERAL INFORMATION:
; APPLICANT: Fowles, Dana M.
; TITLE OF INVENTION: C-Terminal IL-6 Mutelins
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Imclone Systems Incorporated
; STREET: 180 Varlick Street
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,575
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/918,181
; FILING DATE: 23-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheeels, Eric J.
; REGISTRATION NUMBER: 30,326
; REFERENCE/DOCKET NUMBER: FOW-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 564 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..558
; FEATURE:
; NAME/KEY: mat_peptide

; LOCATION: 1..555
US-08-231-575-7

Query Match 8.8%; Score 53.6; DB 1; Length 564;
Best Local Similarity 45.5%; Pred. No. 1.1e-08;
Matches 191; Conservative 0; Mismatches 229; Indels 0; Gaps 0;

QY 154 GACCTCTGTACCGTACCGCATCTGCAAGGATATCTAGAGCCGCTCTATTATTTTCAT 213
DB 127 GAGACCTGTAAACAGAGTAACATGTCTGAAGACGTAAGAGCACTGCGACAAAAACAC 186
QY 214 CTGAACCTTCCGAGATGGCTGAAAAAGATGATTTTCAATCTGATTCATGAGGAA 246
DB 187 CTGAACCTTCCGAGATGGCTGAAAAAGATGATTTTCAATCTGATTCATGAGGAA 246
QY 274 ACCTGCTTAAAAAGCTCCGCGATGCTTTTGAATTCGAGCTGTTTAAAGTTTAA 333
DB 247 ACTTGTCTGTGTAATAATCATCAAGGCTTTTGAATTTGAGGTAACTAGACTACCTC 306
QY 334 ACAGCGAGTTTGGAAAAATCAGTAAACGTGAGCTGATGAGCTTCTGACGAAGACC 393
DB 307 CAGAACAGATTGAGAGTAGTAGAGAAACAGAGAGCTGTCCAGATGTGACCAAAAGTC 366
QY 394 TTAGATGGGACATACAGGAAGCTCAATAGCTACTAAGACGACTACAGTCCACC 453
DB 367 CTGATCCAGTTTCTGCAAAAAAGGCAAAAAATCTAGATGCAATTAACCCCGGATCCA 426
QY 454 AAATTTGACCGCGCTTATTAGGAGGCTTTCAGGACTTAAGTATTTGGGTGAGACACTT 513
DB 427 ACCACAAATGCGAGCTGCTGACGAAGCTGCAAGGACACAGACAGTGGCTGACGACATG 486
QY 514 GCTTCGTTTATGTTCTGAGTGCATGAAAAAGCTTTCAGAGTCAAGCGGTGCGTGTG 573
DB 487 ACACATCATCTCATCTCTGAGATCTTTGAAAAAGATTCATGACAGTCCCTCGGCTGCTG 546

Search completed: June 25, 2002, 09:19:37
Job time: 10624 sec

This Page Blank (uspto)

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 25, 2002, 08:21:18 ; Search time 38.12 Seconds
(Without alignments)
130.714 Million cell updates/sec

Title: US-09-230-048-2

Perfect score: 1095

Sequence: 1 MCFWKLMSLLVGSILVSGT.....GQAVRLDSDIPDVPDVK 204

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Issued_Patents_AA:*

1: /cgn2_6/p10data/2/1aa/5A_COMB.pep:.*
2: /cgn2_6/p10data/2/1aa/5B_COMB.pep:.*
3: /cgn2_6/p10data/2/1aa/6A_COMB.pep:.*
4: /cgn2_6/p10data/2/1aa/6B_COMB.pep:.*
5: /cgn2_6/p10data/2/1aa/PCTUS_COMB.pep:.*
6: /cgn2_6/p10data/2/1aa/backfiles1.pep:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1095	100.0	204	US-09-230-637-25	Sequence 25, Appl
2	1095	100.0	204	US-09-230-371A-26	Sequence 26, Appl
3	992	90.6	185	US-09-122-443-16	Sequence 16, Appl
4	183.5	16.8	184	US-08-945-529-12	Sequence 12, Appl
5	183	16.7	185	US-07-918-181A-4	Sequence 4, Appl
6	183	16.7	185	US-07-918-181A-8	Sequence 8, Appl
7	183	16.7	185	US-08-231-575-4	Sequence 4, Appl
8	183	16.7	185	US-08-231-575-8	Sequence 8, Appl
9	183	16.7	185	PCT-US93-06928-4	Sequence 4, Appl
10	183	16.7	185	PCT-US93-06928-8	Sequence 8, Appl
11	183	16.7	212	US-08-792-0198-9	Sequence 9, Appl
12	183	16.7	212	US-08-988-819-9	Sequence 9, Appl
13	183	16.7	212	US-09-016-534-9	Sequence 9, Appl
14	183	16.7	212	US-08-097-869-7	Sequence 7, Appl
15	183	16.7	212	US-08-795-473B-6	Sequence 6, Appl
16	183	16.7	212	US-09-230-637-45	Sequence 45, Appl
17	183	16.7	212	US-09-155-941-1	Sequence 1, Appl
18	183	16.7	212	US-09-230-371A-27	Sequence 27, Appl
19	183	16.7	212	US-09-230-371A-27	Sequence 27, Appl
20	182	16.6	184	US-08-693-182-2	Sequence 2, Appl
21	182	16.6	184	US-09-008-482-2	Sequence 2, Appl
22	181	16.5	183	US-08-009-973-1	Sequence 1, Appl
23	181	16.5	184	US-08-567-047-2	Sequence 2, Appl
24	181	16.5	184	US-08-567-048-2	Sequence 2, Appl
25	181	16.5	185	5186931-1	Patent No. 5186931
26	181	16.5	185	US-07-632-070B-1	Sequence 1, Appl
27	181	16.5	185	US-07-918-181A-2	Sequence 2, Appl

28	181	16.5	185	1	US-07-918-181A-6	Sequence 6, Appl
29	181	16.5	185	1	US-08-231-575-2	Sequence 2, Appl
30	181	16.5	185	1	US-08-231-575-6	Sequence 6, Appl
31	181	16.5	185	1	US-08-246-427A-5	Sequence 5, Appl
32	181	16.5	185	2	US-08-716-317-7	Sequence 7, Appl
33	181	16.5	185	2	US-08-766-620-5	Sequence 5, Appl
34	181	16.5	185	5	PCT-US93-06928-2	Sequence 2, Appl
35	181	16.5	185	5	PCT-US93-06928-6	Sequence 6, Appl
36	181	16.5	185	6	5186931-2	Patent No. 5186931
37	181	16.5	186	1	US-07-632-070B-2	Sequence 2, Appl
38	181	16.5	186	1	US-07-745-382-20	Sequence 20, Appl
39	181	16.5	186	1	US-07-921-814-20	Sequence 20, Appl
40	181	16.5	186	1	US-08-165-301A-20	Sequence 20, Appl
41	181	16.5	186	3	US-08-469-318-163	Sequence 163, App
42	181	16.5	186	3	US-08-468-609A-163	Sequence 163, App
43	181	16.5	186	4	US-08-810-436-20	Sequence 20, Appl
44	181	16.5	186	5	PCT-US94-14179-20	Sequence 20, Appl
45	181	16.5	186	5	PCT-US95-01185-163	Sequence 163, App

ALIGNMENTS

```

RESULT 1
US-09-230-637-25
: Sequence 25, Application US/09230637
: Patent No. 6264958
: GENERAL INFORMATION:
: APPLICANT: Hayward, Gary
: APPLICANT: Nicholas, John
: APPLICANT: Reitz, Marvin
: APPLICANT: Reitz, Marvin
: TITLE OF INVENTION: No. 6264958el Genes of Kaposi's Sarcoma
: FILE REFERENCE: 1107.78372
: CURRENT APPLICATION NUMBER: US/09/230.637
: PRIOR FILING DATE: 1999-11-23
: PRIOR APPLICATION NUMBER: 60/022.591
: PRIOR FILING DATE: 1996-07-25
: PRIOR APPLICATION NUMBER: PCT US 97/12931
: PRIOR FILING DATE: 1997-07-24
: NUMBER OF SEQ ID NOS: 62
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 25
: LENGTH: 204
: TYPE: PRT
: ORGANISM: Kaposi's sarcoma-associated herpes-like virus
: US-09-230-637-25
:
: Query Match 100.0%; Score 1095; DB 4; Length 204;
: Best Local Similarity 100.0%; Pred. No. 1.9e-123;
: Matches 204; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
:
: QY 1 MCFWKLMSLLVGSILVSGTGRKLPDAPEPEKDLLQRLMMLWVDECFDLCYRGIC 60
: 1 MCFWKLMSLLVGSILVSGTGRKLPDAPEPEKDLLQRLMMLWVDECFDLCYRGIC 60
:
: Db 1 MCFWKLMSLLVGSILVSGTGRKLPDAPEPEKDLLQRLMMLWVDECFDLCYRGIC 60
:
: QY 61 KGLEPAIFHLKLPAINDDHCHGILGFNETSCSKKLADGFEEVLFKFLTTERGSKVI 120
: 61 KGLEPAIFHLKLPAINDDHCHGILGFNETSCSKKLADGFEEVLFKFLTTERGSKVI 120
:
: Db 61 KGLEPAIFHLKLPAINDDHCHGILGFNETSCSKKLADGFEEVLFKFLTTERGSKVI 120
:
: QY 121 NVDWELLTKTLGMDIOELNKLKTHSPKPRGILGRLOGLKYVWRHFRASFYVSAM 180
: 121 NVDWELLTKTLGMDIOELNKLKTHSPKPRGILGRLOGLKYVWRHFRASFYVSAM 180
:
: Db 121 NVDWELLTKTLGMDIOELNKLKTHSPKPRGILGRLOGLKYVWRHFRASFYVSAM 180
:
: QY 181 EKFAQAVRLDSIPDVPDVK 204
: 181 EKFAQAVRLDSIPDVPDVK 204
:
: Db 181 EKFAQAVRLDSIPDVPDVK 204
:
: RESULT 2
US-09-230-371A-26

```

Sequence 26, Application US/09230371A
Patent No. 634836
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A
APPLICANT: Russo, James J
APPLICANT: Edelman, Isidore S
APPLICANT: Moore, Patrick S
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
FILE REFERENCE: 45185-G-PCT-US
CURRENT APPLICATION NUMBER: US/09/230,371A
CURRENT FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: PCT/US97/13346
PRIOR FILING DATE: 1997-07-22
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 26
LENGTH: 204
TYPE: PRT
ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-26 - Not Claimed

Query Match 100.0%; Score 1095; DB 4; Length 204;
Best Local Similarity 100.0%; Pred. No. 1.9e-123;
Matches 204; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCMFKMSLLVGSLLVSGTRGKLPDAPFEFEKDLIQRNLNMLWYIDECFRDLCYRTGIC 60
DB 1 MCMFKMSLLVGSLLVSGTRGKLPDAPFEFEKDLIQRNLNMLWYIDECFRDLCYRTGIC 60
QY 61 KGLEPAAIFHLKLPAINDTDHGCLIGFNETSCLKLADGFEFEVLFKFLTTERGKSVY 120
DB 61 KGLEPAAIFHLKLPAINDTDHGCLIGFNETSCLKLADGFEFEVLFKFLTTERGKSVY 120
QY 121 NVDVWELLTKTGMDIOEFLNKLTKTHSPKFRDGLGRLOGLKYYWHRFASFYVLSAM 180
DB 121 NVDVWELLTKTGMDIOEFLNKLTKTHSPKFRDGLGRLOGLKYYWHRFASFYVLSAM 180
QY 181 EKFAQAVVLDSPDPVTPDVHDK 204
DB 181 EKFAQAVVLDSPDPVTPDVHDK 204

RESULT 3
US-09-122-443-16
Sequence 16, Application US/09122443
Patent No. 6060284
GENERAL INFORMATION:
APPLICANT: Bazaan, J. Fernando
TITLE OF INVENTION: MAMMALIAN CYTOKINE; RELATED REAGENTS
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/122,443
FILING DATE: 24-JUL-1998
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,765
FILING DATE: 25-JUL-1997
ATTORNEY/AGENT INFORMATION:

NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0758K1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 185 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-122-443-16

Query Match 90.6%; Score 992; DB 3; Length 185;
Best Local Similarity 100.0%; Pred. No. 3.8e-111;
Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 TRGKLPDAPFEFEKDLIQRNLNMLWYIDECFRDLCYRTGICGLEPAAIFHLKLPAIND 79
DB 1 TRGKLPDAPFEFEKDLIQRNLNMLWYIDECFRDLCYRTGICGLEPAAIFHLKLPAIND 60
QY 80 TDHCLIGFNETSCLKLADGFEFEVLFKFLTTERGKSVINVDWELLTKTGMDIOE 139
DB 61 TDHCLIGFNETSCLKLADGFEFEVLFKFLTTERGKSVINVDWELLTKTGMDIOE 120
QY 140 LNKLTHTSPKFRDGLGRLOGLKYYWHRFASFYVLSAMERFAGQAVVLDSPDVTP 199
DB 121 LNKLTHTSPKFRDGLGRLOGLKYYWHRFASFYVLSAMERFAGQAVVLDSPDVTP 180
QY 200 DVHDK 204
DB 181 DVHDK 185

RESULT 4
US-08-945-529-12
Sequence 12, Application US/08945529
Patent No. 5972902
GENERAL INFORMATION:
APPLICANT: CITIBERTO, Gennaro
APPLICANT: SAVINO, Rocco
APPLICANT: PAONESSA, Giacomo
TITLE OF INVENTION: ANTAGONISTS OF HUMAN INTERLEUKIN-6 THAT
TITLE OF INVENTION: ARE TOTALLY INCAPABLE OF BINDING GP 130, AND THEIR USE IN
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
STREET: 419 Seventh Street N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/945,529
FILING DATE: 28-OCT-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT RM95A000273
FILING DATE: 28-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/IT96/00084
FILING DATE: 26-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C


```
RESULT 7
US-08-231-575-4
; Sequence 4, Application US/08231575
; Patent No. 5565336
; GENERAL INFORMATION:
; APPLICANT: Fowles, Dana M.
; TITLE OF INVENTION: C-Terminal IL-6 Mutelins
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Imclone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231.575
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/918,181
; FILING DATE: 23-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheets, Eric J.
; REGISTRATION NUMBER: 30,326
; REFERENCE/DOCKET NUMBER: FOW-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-575-4

Query Match 16.7%; Score 183; DB 1; Length 185;
Best Local Similarity 25.6%; Pred. No. 4.5e-14;
Matches 42; Conservative 38; Mismatches 84; Indels 0; Gaps 0;

QY 28 PEFKDLIQRLNMMWVDECFRDLCTRTGICKGLLEPAIFHLKLPAINDTDHCGLIG 87
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 19 PUTSSERIDKQIRYILDGIALRKETCNKSNMCESSKEALAEENNLLPMAEKDGCFOSG 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 88 FNETSCLKKLADGFEFEVYLFKFLTFTEFGSVINVDVWELTKTLGMDIOEELNKLTKTH 147
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 79 FNEETCLVAKIITGLLEFEVYLEYLQNRFFESSEQARAQVMSTKVLQFQKKAKNDAIT 138
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 148 YSPKPFDRGLGRLOGLKTYVRHFASFYVLSAMEKFAQAVNVL 191
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 139 TDPPTNASTLTKLQAQONQWLDQMTHTLIRSLKEFLQSSLRAL 182
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 8
US-08-231-575-8
; Sequence 8, Application US/08231575
; Patent No. 5565336
; GENERAL INFORMATION:
; APPLICANT: Fowles, Dana M.
; TITLE OF INVENTION: C-Terminal IL-6 Mutelins
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Imclone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
```

```
COUNTRY: United States
ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231.575
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/918,181
; FILING DATE: 23-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sheets, Eric J.
; REGISTRATION NUMBER: 30,326
; REFERENCE/DOCKET NUMBER: FOW-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-575-8
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Query Match 16.7%; Score 183; DB 1; Length 185;
Best Local Similarity 25.6%; Pred. No. 4.5e-14;
Matches 42; Conservative 38; Mismatches 84; Indels 0; Gaps 0;

QY 28 PEFKDLIQRLNMMWVDECFRDLCTRTGICKGLLEPAIFHLKLPAINDTDHCGLIG 87
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 19 PUTSSERIDKQIRYILDGIALRKETCNKSNMCESSKEALAEENNLLPMAEKDGCFOSG 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 88 FNETSCLKKLADGFEFEVYLFKFLTFTEFGSVINVDVWELTKTLGMDIOEELNKLTKTH 147
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 79 FNEETCLVAKIITGLLEFEVYLEYLQNRFFESSEQARAQVMSTKVLQFQKKAKNDAIT 138
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 148 YSPKPFDRGLGRLOGLKTYVRHFASFYVLSAMEKFAQAVNVL 191
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 139 TDPPTNASTLTKLQAQONQWLDQMTHTLIRSLKEFLQSSLRAL 182
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 9
PCT-US93-06928-4
; Sequence 4, Application PC/TUS9306928
; GENERAL INFORMATION:
; APPLICANT: Fowles, Dana M.
; TITLE OF INVENTION: Carboxy Terminal IL-6 Mutelins
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Imclone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 11014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06928
; FILING DATE: 19930723
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/918,181
; FILING DATE: 23-JUL-1992
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Query Match 16.7%; Score 183; DB 1; Length 212;
Best Local Similarity 25.8%; Pred. No. 5-14;
Matches 50; Conservative 38; Mismatches 92; Indels 14; Gaps 2

QY 12 VGSILVSGTRGKLPDAP-EFEKDL-----LIQRLMMMLVVIDECPDLCYRT 57
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 16 IGLILLVLPAPFAPRVPFGEDESKDVANPHRQPLSSERIDQIVYILDGIALKRFQCNKS 75
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 58 GIGKIGLEPAATLHLKLPALINDTHGGLIGFNETSCIKTLADGFFEEFVLFKLLTTEFGK 117
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

Db 76 NCCESSKEALAEENNLNLPKMAEKDCGFCGSGFNEETCLVAKITGCLFEFVYLEYLONRFS 135
Qy 118 SVIYNVDWELLTKTLCWDIOEELNKLTKTHYSPKFDRLGRLGKLYWVHFFASFYVL 177
Db 136 SEQARAVQMSYTKVLIQFLOKRAKNLDAITTPDPTTNSLTKLQANQWLODMTHLIL 195
Qy 178 SAMEKFAQAVRYL 191
Db 196 RSFKEFLQSSLRAL 209

RESULT 12
US-08-988-819-9
Sequence 9, Application US/08988819
Patent No. 6054294
GENERAL INFORMATION:
APPLICANT: CHANG, MING-SHI
TITLE OF INVENTION: NEUROTROPHIC FACTOR NNT-1
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: AMGEN INC.
STREET: ONE AMGEN CENTER DRIVE
CITY: THOUSAND OAKS
STATE: CA
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/988, 819
FILING DATE: 12-DEC-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/792,019
FILING DATE: 03-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: COOK, ROBERT R.
REGISTRATION NUMBER: 31,602
REFERENCE/DOCKET NUMBER: A-442A
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 212 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..182
FEATURE:
NAME/KEY: Region
LOCATION: -30...0
US-08-988-819-9

Query Match 16.7%; Score 183; DB 3; Length 212;
Best Local Similarity 25.8%; Pred. No. 5.5e-14;
Matches 50: Conservative 38; Mismatches 92; Indels 14; Gaps 2;

Qy 12 VSSLVSGTRGLPDPAP-EFEKDL-----LIGRLNMMIMLVIDEFCRDLCTYPT 57
Db 16 LGLLLVLPAPFAPVPYPPGDSKDVAAHPROPULTSSERIDKQIRYLIDGISALRKETCNKS 75
Qy 58 GICKGILEPAALFHLKLPAINDTDHGCLGFGNETSCGLKLDGFFEEVYLFKFLTTEFGK 117
Db 76 NCCESSKEALAEENNLNLPKMAEKDCGFCGSGFNEETCLVAKITGCLFEFVYLEYLONRFS 135
Qy 118 SVIYNVDWELLTKTLCWDIOEELNKLTKTHYSPKFDRLGRLGKLYWVHFFASFYVL 177
Db 136 SEQARAVQMSYTKVLIQFLOKRAKNLDAITTPDPTTNSLTKLQANQWLODMTHLIL 195

Qy 178 SAMEKFAQAVRYL 191
Db 196 RSFKEFLQSSLRAL 209

RESULT 13
US-09-016-534-9
Sequence 9, Application US/09016534
Patent No. 6143874
GENERAL INFORMATION:
APPLICANT: CHANG, MING-SHI
APPLICANT: ELLIOTT, GARY S.
APPLICANT: SARMIENTO, ULLA
APPLICANT: SENALDI, GIORGIO
TITLE OF INVENTION: THE NEUROTROPHIC FACTOR NNT-1
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: AMGEN INC.
STREET: ONE AMGEN CENTER
CITY: THOUSAND OAKS
STATE: CA
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016, 534
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/792,019
FILING DATE: 03-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: COOK, ROBERT R.
REGISTRATION NUMBER: 31,602
REFERENCE/DOCKET NUMBER: A-442B
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 212 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..182
FEATURE:
NAME/KEY: Region
LOCATION: -30...0
US-09-016-534-9

Query Match 16.7%; Score 183; DB 4; Length 212;
Best Local Similarity 25.8%; Pred. No. 5.5e-14;
Matches 50: Conservative 38; Mismatches 92; Indels 14; Gaps 2;

Qy 12 VSSLVSGTRGLPDPAP-EFEKDL-----LIGRLNMMIMLVIDEFCRDLCTYPT 57
Db 16 LGLLLVLPAPFAPVPYPPGDSKDVAAHPROPULTSSERIDKQIRYLIDGISALRKETCNKS 75
Qy 58 GICKGILEPAALFHLKLPAINDTDHGCLGFGNETSCGLKLDGFFEEVYLFKFLTTEFGK 117
Db 76 NCCESSKEALAEENNLNLPKMAEKDCGFCGSGFNEETCLVAKITGCLFEFVYLEYLONRFS 135
Qy 118 SVIYNVDWELLTKTLCWDIOEELNKLTKTHYSPKFDRLGRLGKLYWVHFFASFYVL 177
Db 136 SEQARAVQMSYTKVLIQFLOKRAKNLDAITTPDPTTNSLTKLQANQWLODMTHLIL 195
Qy 178 SAMEKFAQAVRYL 191

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OM protein - protein search, using sw model

Run on: June 25, 2002, 10:21:37 ; Search time 38.12 Seconds
(without alignments)
12.174 Million cell updates/sec

Title: US-09-230-048-2_COPY_87_105
Perfect score: 103
Sequence: 1 GENETSCUKLADGFFEEF 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
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6: /cgn2_6/ptodata/2/1aa/Backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	103	100.0	185	3	US-09-122-443-16 Sequence 16, Appl
2	103	100.0	204	4	US-09-230-637-25 Sequence 26, Appl
3	103	100.0	204	4	US-09-230-371A-26 Sequence 26, Appl
4	61	59.2	162	2	US-08-716-317-10 Sequence 10, Appl
5	61	59.2	163	2	US-08-716-317-15 Sequence 15, Appl
6	61	59.2	164	1	US-08-318-193-60 Sequence 60, Appl
7	61	59.2	167	1	US-08-246-427A-2 Sequence 2, Appl
8	61	59.2	167	2	US-08-766-620-2 Sequence 2, Appl
9	61	59.2	167	5	PCT-US93-06094-2 Sequence 2, Appl
10	61	59.2	172	4	US-08-149-101A-21 Sequence 21, Appl
11	61	59.2	172	5	PCT-US94-12873-21 Sequence 21, Appl
12	61	59.2	174	4	US-08-149-101A-17 Sequence 20, Appl
13	61	59.2	174	5	PCT-US94-12873-20 Sequence 20, Appl
14	61	59.2	183	1	US-08-009-873-1 Sequence 1, Appl
15	61	59.2	184	1	US-08-567-047-2 Sequence 2, Appl
16	61	59.2	184	2	US-08-693-182-2 Sequence 2, Appl
17	61	59.2	184	2	US-08-567-048-2 Sequence 2, Appl
18	61	59.2	184	2	US-09-008-482-2 Sequence 2, Appl
19	61	59.2	184	2	US-08-945-529-8 Sequence 8, Appl
20	61	59.2	184	2	US-08-945-529-9 Sequence 9, Appl
21	61	59.2	184	2	US-08-945-529-10 Sequence 10, Appl
22	61	59.2	184	2	US-08-945-529-11 Sequence 11, Appl
23	61	59.2	184	4	US-08-945-529-12 Sequence 12, Appl
24	61	59.2	184	4	US-08-149-101A-17 Sequence 17, Appl
25	61	59.2	184	4	US-08-149-101A-22 Sequence 22, Appl
26	61	59.2	184	5	PCT-US94-12873-17 Sequence 17, Appl
27	61	59.2	184	5	PCT-US94-12873-22 Sequence 22, Appl

28	61	59.2	184	6	5186931-1	Patent No. 5186931
29	61	59.2	185	1	US-07-632-070B-1	Sequence 1, Appl
30	61	59.2	185	1	US-07-918-181A-2	Sequence 2, Appl
31	61	59.2	185	1	US-07-918-181A-4	Sequence 4, Appl
32	61	59.2	185	1	US-07-918-181A-6	Sequence 6, Appl
33	61	59.2	185	1	US-07-918-181A-8	Sequence 8, Appl
34	61	59.2	185	1	US-08-231-575-2	Sequence 2, Appl
35	61	59.2	185	1	US-08-231-575-4	Sequence 4, Appl
36	61	59.2	185	1	US-08-231-575-6	Sequence 6, Appl
37	61	59.2	185	1	US-08-231-575-8	Sequence 8, Appl
38	61	59.2	185	1	US-08-246-427A-5	Sequence 5, Appl
39	61	59.2	185	2	US-08-716-317-7	Sequence 7, Appl
40	61	59.2	185	2	US-08-766-620-5	Sequence 5, Appl
41	61	59.2	185	5	PCT-US93-05612-2	Sequence 2, Appl
42	61	59.2	185	5	PCT-US93-06928-2	Sequence 2, Appl
43	61	59.2	185	5	PCT-US93-06928-4	Sequence 4, Appl
44	61	59.2	185	5	PCT-US93-06928-6	Sequence 6, Appl
45	61	59.2	185	5	PCT-US93-06928-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-122-443-16
Sequence 16, Application US/09122443
Patent No. 6060284
GENERAL INFORMATION:
APPLICANT: Bazon, J. Fernando
TITLE OF INVENTION: MAMMALIAN CYTOKINE: RELATED REAGENTS
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/122,443
FILING DATE: 24-JUL-1998
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/053,765
FILING DATE: 25-JUL-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0758K1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 185 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-122-443-16
Query Match 100.0%; Score 103; DB 3; Length 185;
Best Local Similarity 100.0%; Pred. No. 1.4e-09;
Matches 19; Conservativeness 0; Mismatches 0; Indels 0; Gaps 0;
1 GENETSCUKLADGFFEEF 19
|||||

Db 68 GFNETSCLKXLDGFFERE 86

RESULT 2

US-09-230-637-25

Sequence 25, Application US/09230637

Patent No. 6264958

GENERAL INFORMATION:

APPLICANT: Hayward, Gary

APPLICANT: Nicholas, John

APPLICANT: Hardwick, J. Marie

APPLICANT: Reitz, Marvin

TITLE OF INVENTION: No. 6264958el Genes of Kaposi's Sarcoma

TITLE OF INVENTION: Associated Herpesvirus

FILE REFERENCE: 1107.78372

CURRENT APPLICATION NUMBER: US/09/230.637

CURRENT FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: 60/022,591

PRIOR FILING DATE: 1996-07-25

PRIOR APPLICATION NUMBER: PCT US 97/12931

PRIOR FILING DATE: 1997-07-24

NUMBER OF SEQ ID NOS: 62

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 25

LENGTH: 204

TYPE: PRT

ORGANISM: Kaposi's sarcoma-associated herpes-like virus

US-09-230-637-25

Query Match 100.0%; Score 103; DB 4; Length 204;

Best Local Similarity 100.0%; Pred. No. 1.5e-09;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 87 GFNETSCLKXLDGFFERE 105

RESULT 3

US-09-230-371A-26

Sequence 26, Application US/09230371A

Patent No. 6348586

GENERAL INFORMATION:

APPLICANT: Chang, Yudan

APPLICANT: Bohenzky, Roy A

APPLICANT: Russo, James J

APPLICANT: Edelman, Isidore S

APPLICANT: Moore, Patrick S

TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 45185-G-PCT-US

CURRENT APPLICATION NUMBER: US/09/230.371A

CURRENT FILING DATE: 1999-11-17

PRIOR APPLICATION NUMBER: PCT/US97/13346

PRIOR FILING DATE: 1997-07-22

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 26

LENGTH: 204

TYPE: PRT

ORGANISM: Kaposi's sarcoma-associated herpesvirus

US-09-230-371A-26

Query Match 100.0%; Score 103; DB 4; Length 204;

Best Local Similarity 100.0%; Pred. No. 1.5e-09;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 87 GFNETSCLKXLDGFFERE 105

RESULT 4

US-08-716-317-10

Sequence 10, Application US/08716317

Patent No. 5919654

GENERAL INFORMATION:

APPLICANT: HAMA, YUKO

APPLICANT: TOHDA, HIDEKI

APPLICANT: TSUKAMOTO, HIROKO

APPLICANT: NIKAIIDO, KIYOKAZU

APPLICANT: KUMAGAI, HIROMICHI

TITLE OF INVENTION: SECRETION SIGNAL GENE AND EXPRESSION

TITLE OF INVENTION: VECTOR CONTAINING IT

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESSES:

ADDRESS: P. C.

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400

CITY: ARLINGTON

STATE: VA

COUNTRY: USA

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/716.317

FILING DATE: 02-OCT-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/JP96/00198

FILING DATE: 01-FEB-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 17167/1995

FILING DATE: 03-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 59-924-0 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-413-3000

TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 162 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-716-317-10

Query Match 59.2%; Score 61; DB 2; Length 162;

Best Local Similarity 57.9%; Pred. No. 0.0087;

Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Db 55 GFNETCLVKITITGLERE 73

RESULT 5

US-08-716-317-15

Sequence 15, Application US/08716317

Patent No. 5919654

GENERAL INFORMATION:

APPLICANT: HAMA, YUKO

APPLICANT: TOHDA, HIDEKI

APPLICANT: TSUKAMOTO, HIROKO

APPLICANT: NIKAIIDO, KIYOKAZU

APPLICANT: KUMAGAI, HIROMICHI

TITLE OF INVENTION: SECRETION SIGNAL GENE AND EXPRESSION

TITLE OF INVENTION: VECTOR CONTAINING IT

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESSES:

ADDRESS: P. C.

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400

CITY: ARLINGTON

STATE: VA

COUNTRY: USA

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/716.317

FILING DATE: 02-OCT-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/JP96/00198

FILING DATE: 01-FEB-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 17167/1995

FILING DATE: 03-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 59-924-0 PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-413-3000

TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 162 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-716-317-10

Query Match 59.2%; Score 61; DB 2; Length 162;

Best Local Similarity 57.9%; Pred. No. 0.0087;

Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Db 55 GFNETCLVKITITGLERE 73

;; TITLE OF INVENTION: SECRETION SIGNAL GENE AND EXPRESSION
;; TITLE OF INVENTION: VECTOR CONTAINING IT
;; NUMBER OF SEQUENCES: 35
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;; ADDRESS: P.C.
;; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
;; CITY: ARLINGTON
;; STATE: VA
;; COUNTRY: USA
;; ZIP: 22202
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: IBM PC compatible
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/716,317
;; FILING DATE: 02-OCT-1996
;; CLASSIFICATION: 435
;;
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/Jp96/00198
;; FILING DATE: 01-FEB-1996
;;
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: JP 17167/1995
;; FILING DATE: 03-FEB-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: OBLON, NORMAN F.
;; REGISTRATION NUMBER: 24,618
;; REFERENCE/DOCKET NUMBER: 59-924-0 PCT
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 703-413-3000
;; TELEFAX: 703-413-2220
;;
;; INFORMATION FOR SEQ ID NO: 15:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 163 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; US-08-716-317-15

Query Match 59.2%; Score 61; DB 2; Length 163;
Best Local Similarity 57.9%; Pred. No. 0.0088;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 GFNETSCLKRLADGFEFE 19
||||:||||:|
Db 56 GFNETCLVKITITGLLEFE 74

RESULT 6
US-08-318-193-60
; Sequence 60, Application US/08318193
; Patent No. 5641663
; GENERAL INFORMATION:
; APPLICANT: GARVIN, Robert T.
; APPLICANT: MAIER, Lawrence T.
; TITLE OF INVENTION: AN EXPRESSION SYSTEM FOR THE SECRETION
; OF BIOACTIVE HUMAN GRANULOCYTE MACROPHAGE COLONY
; TITLE OF INVENTION: STIMULATING FACTOR (GM-CSF) AND OTHER HETEROLOGOUS
; TITLE OF INVENTION: PROTEINS FROM STREPTOMYCES
; NUMBER OF SEQUENCES: 91
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/318,193
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/07/935,314
;; FILING DATE:
;; APPLICATION NUMBER: US 07/224,568
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BENT, Stephen A.
;; REGISTRATION NUMBER: 29,768
;; REFERENCE/DOCKET NUMBER: 18740/116 CACO
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (703)836-9300
;; TELEFAX: (703)683-4109
;; TELEX: 899149
;; INFORMATION FOR SEQ ID NO: 60:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 164 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-318-193-60

Query Match 59.2%; Score 61; DB 1; Length 164;
Best Local Similarity 57.9%; Pred. No. 0.0088;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 GFNETSCLKRLADGFEFE 19
||||:||||:|
Db 57 GFNETCLVKITITGLLEFE 75

RESULT 7
US-08-246-427A-2
; Sequence 2, Application US/08246427A
; Patent No. 5641657
; GENERAL INFORMATION:
; APPLICANT: RUBEN, ET AL.
; TITLE OF INVENTION: Interleukin-6 Splice Variant
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/246,427A
; FILING DATE: Submitted herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/246,427
; FILING DATE: MAY 19, 1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-246-427A-2

Query Match 59.2%; Score 61; DB 1; Length 167;
Best Local Similarity 57.9%; Pred. No. 0.009;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 1 GNETSCLKRLADGFEFE 19
||| :|| :| |||
Db 60 GFNETCLVKITGLLEFE 78

RESULT 8
US-08-766-620-2
Sequence 2, Application US/08766620
Patent No. 5958400
GENERAL INFORMATION:
APPLICANT: RUBEN, ET AL.
TITLE OF INVENTION: Interleukin-6 Splice Variant
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,620
FILING DATE: December 12, 1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/246,427
FILING DATE: MAY 19, 1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-593 (PF120)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-766-620-2

Query Match 59.2%; Score 61; DB 2; Length 167;
Best Local Similarity 57.9%; Pred. No. 0.009;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;
Qy 1 GNETSCLKRLADGFEFE 19
||| :|| :| |||
Db 60 GFNETCLVKITGLLEFE 78

RESULT 9
PCT-US95-06094-2
Sequence 2, Application PC/TUS9506094
GENERAL INFORMATION:
APPLICANT: RUBEN, ET AL.
TITLE OF INVENTION: Interleukin-6 Splice Variant
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06094
FILING DATE: Submitted herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/246,427
FILING DATE: MAY 19, 1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: PERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
PCT-US95-06094-2

Query Match 59.2%; Score 61; DB 5; Length 167;
Best Local Similarity 57.9%; Pred. No. 0.009;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 1 GNETSCLKRLADGFEFE 19
||| :|| :| |||
Db 60 GFNETCLVKITGLLEFE 78

RESULT 10
US-08-149-101A-21
Sequence 21, Application US/08149101A
Patent No. 6171824
GENERAL INFORMATION:
APPLICANT: Todaro, George J.
APPLICANT: Leung, David W.
APPLICANT: Rose, Timothy M.
TITLE OF INVENTION: HYBRID CYTOKINES
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cell Therapeutics, Inc.
STREET: 200 Elliott Avenue West, Suite 400
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98119
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" disk, 1.44MB, double side, high density
COMPUTER: AST-IBM Compatible
OPERATING SYSTEM: MS-DOS Version 6
SOFTWARE: WORD for WINDOWS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,101A
FILING DATE: 8-Jul-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US08/097,869
FILING DATE: 27-Jul-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oster, Jeffrey B. and Paciszewski, Stephen
REGISTRATION NUMBER: 32,585 and 36,131, respectively
REFERENCE/DOCKET NUMBER: 0105A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)282-7100
TELEFAX: (206)284-6206
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 172
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: no
ANTI-SENSE: no
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: homo sapien
US-08-149-101A-21

Query Match 59.2%; Score 61; DB 4; Length 172;
Best Local Similarity 57.9%; Pred. No. 0.0093;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 GFNETSCLKLADGFEFE 19
||||:|:|:|:|:|:|
Db 78 GFNETCLVKIITGLLEFE 96

RESULT 11
PCT-US94-12873-21
Sequence 21, Application PC/TUS9412873
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: HYBRID CYTOKINES
NUMBER OF SEQUENCES: 26
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette, 1.44MB, double side, high density
COMPUTER: AST-IBM Compatible
OPERATING SYSTEM: MS-DOS Version 6
SOFTWARE: WORD for WINDOWS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12873
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 172
TYPE: amino acid
TOPOLOGY: linear
PCT-US94-12873-21

Query Match 59.2%; Score 61; DB 5; Length 172;
Best Local Similarity 57.9%; Pred. No. 0.0093;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 GFNETSCLKLADGFEFE 19
||||:|:|:|:|:|:|
Db 78 GFNETCLVKIITGLLEFE 96

RESULT 12
US-08-149-101A-20
Sequence 20, Application US/08149101A
Patent No. 6171824
GENERAL INFORMATION:
APPLICANT: Todaro, George J.
APPLICANT: Leung, David W.
APPLICANT: Rose, Timothy M.
TITLE OF INVENTION: HYBRID CYTOKINES
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cell Therapeutics, Inc.
STREET: 200 Elliott Avenue West, Suite 400
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98119
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" disk, 1.44MB, double side, high density
COMPUTER: AST-IBM Compatible
OPERATING SYSTEM: MS-DOS Version 6
SOFTWARE: WORD for WINDOWS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,101A
FILING DATE: 8-Jul-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US08/097,869
FILING DATE: 27-Jul-1993
ATTORNEY/AGENT INFORMATION:
NAME: Oster, Jeffrey B. and Paciszewski, Stephen
REGISTRATION NUMBER: 32,585 and 36,131, respectively
REFERENCE/DOCKET NUMBER: 0105A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)282-7100
TELEFAX: (206)284-6206
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 174
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: no
ANTI-SENSE: no
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: homo sapien
US-08-149-101A-20

Query Match 59.2%; Score 61; DB 4; Length 174;
Best Local Similarity 57.9%; Pred. No. 0.0094;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 GFNETSCLKLADGFEFE 19
||||:|:|:|:|:|:|
Db 78 GFNETCLVKIITGLLEFE 96

RESULT 13
PCT-US94-12873-20
Sequence 20, Application PC/TUS9412873
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: HYBRID CYTOKINES
NUMBER OF SEQUENCES: 26
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette, 1.44MB, double side, high density

COMPUTER: AST-IBM Compatible
OPERATING SYSTEM: MS-DOS Version 6
SOFTWARE: WORD for WINDOWS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12873
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 174
TYPE: amino acid
TOPOLOGY: linear
PCT-US94-12873-20

Query Match 59.2%; Score 61; DB 5; Length 174;
Best Local Similarity 57.9%; Pred. No. 0.0094;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

OY 1 GFNETCLKKLDGFFFE 19
DB 76 GFNETCLKVKITGLLEFE 96

RESULT 14
US-08-009-973-1
Sequence 1, Application US/08009973
Patent No. 5338834
GENERAL INFORMATION:
APPLICANT: WILLIAMS, Ashley M.
TITLE OF INVENTION: Ultrapure Human Interleukin-6
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/009,973
FILING DATE: 19930126
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 16777/199 ALLE
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 183 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
US-08-009-973-1

Query Match 59.2%; Score 61; DB 1; Length 183;
Best Local Similarity 57.9%; Pred. No. 0.0099;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

OY 1 GFNETCLKKLDGFFFE 19
DB 76 GFNETCLKVKITGLLEFE 94

RESULT 15
US-08-567-047-2
Sequence 2, Application US/08567047

Patent No. 5789552
Patent No. 5789552 5789555
GENERAL INFORMATION:
APPLICANT: SAVINO, Rocco
APPLICANT: LAHM, Armin
APPLICANT: CLIBERTO, Gennaro
TITLE OF INVENTION: METHOD FOR SELECTING SUPERAGONISTS,
TITLE OF INVENTION: ANTAGONISTS AND SUPRANTAGONISTS FOR HORMONES HAVING
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NETMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,047
FILING DATE: 04-DEC-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,924
FILING DATE: 23-FEB-1995
APPLICATION NUMBER: IT RM93A000409
FILING DATE: 23-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SAVINO-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-567-047-2

Query Match 59.2%; Score 61; DB 1; Length 184;
Best Local Similarity 57.9%; Pred. No. 0.01;
Matches 11; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

OY 1 GFNETCLKKLDGFFFE 19
DB 77 GFNETCLKVKITGLLEFE 95

Search completed: June 25, 2002, 10:21:37
Job time: 7219 sec

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